



ASCII Basic Module
HE800ASC100
3 High Speed Communication Ports



This product also has a detailed supplement (**SUP0275**) available.

1 SPECIFICATIONS

	ASC100		ASC100
Number of communication ports	3 (2 RS232, 1 RS485/422)	User Memory for BASIC <i>program</i> storage	32K bytes
Status LEDs	RXD/TXD for all ports RUN (BASIC program)	User Memory for BASIC <i>data</i> storage	32K bytes

General Specifications			
Required Power (Steady State)	0.22W (9.35mA @ 24VDC)	CE	Refer to MAN0005
Required Power (Inrush)	0.53W (22.4mA @ 24VDC)	UL	Refer to SUP0259
Relative Humidity	5 to 95% Non-condensing	Terminal Type	9-Pin D-Subs
Operating Temperature	0° to 60° Celsius	Weight	9.5 oz. (270 g)

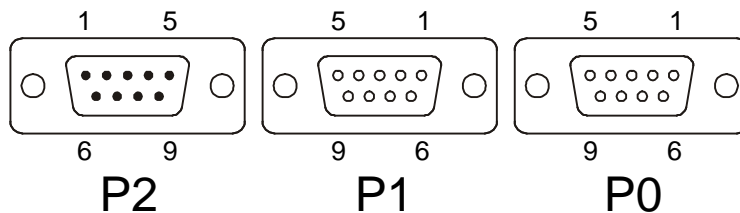
MAN0275-05

2 WIRING

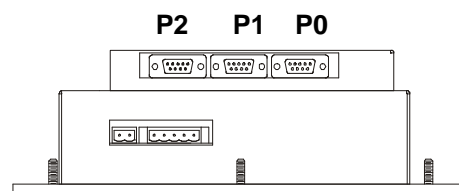
Note: Port 1 and Port 2 share internal communication circuitry. Only one of the ports can be used to transfer data at a time.

Direction	Pin	ASC100
		Port 0/1
Output	1	DCD (Data Carrier Detect)
Output	2	RXD (Receive Data)
Input	3	TXD (Transmit Data)
Input	4	DTR (Data Terminal Ready)
GND	5	Signal Ground
Output	6	DSR (Data Set Ready)
Input	7	CTS (Clear to Send)
Output	8	RTS (Request to Send)
Output	9	RI (Ring Indicate)

Note: For ports 0 and 1, the signal names reflect the EIA RS232 signal names for a DCE device. The names do not necessarily reflect the signal direction with respect to the ASC100 module.



Direction	Pin	ASC100
		Port 2
Input	1	RXD- (Receive Data -)
Output	2	TXD- (Transmit Data -)
Output	3	CTS- (Clear to Send -)
Input	4	RTS- (Request to Send -)
GND	5	GND (Signal Ground)
Input	6	RXD+ (Receive Data +)
Output	7	TXD+ (Transmit Data +)
Output	8	CTS+ (Clear to Send +)
Input	9	RTS+ (Request to Send +)



**OCS Bottom View – Shows
Corresponding I/O Pin**

3 CONFIGURATION

See the Supplement for the SmartStack ASCII BASIC Module (SUP0275) for configuration, wiring, and other pertinent data.

4 INSTALLATION / SAFETY

Warning: Remove power from the OCS controller, CAN port, and any peripheral equipment connected to this local system before adding or replacing this or any module.
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- a. All applicable codes and standards are to be followed in the installation of this product.
- b. Use the following wire type or equivalent: Belden 8917, 16 AWG or larger.

For detailed installation information, refer to Chapter Two in the Control Station Hardware Manual (MAN0227). A handy checklist is provided that covers panel box layout requirements and minimum clearances.

5 TECHNICAL ASSISTANCE

For assistance, contact Technical Support at the following locations:

North America:

(317) 916-4274 or visit our website at www.heapg.com.

Europe:

(+) 353-21-4321-266

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